

PART A : SCHEDULE OF RATES FOR BUILDERS WORKS

Item No	Description Of Work	Unit	Rate
1	EARTH WORK :		
	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 Sqm on plan) lead up to 50 m and lift up to 1.5 m, as directed by Engineer-in-charge		
1	All kinds of soil (from 0.00 mt to 1.50 mts.)	cu.m	180.00
2	All kinds of soil. (from 1.50 mts to 3.00 mts.)	cu.m	251.00
3	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cu.m	1895.00
4	Dismantling of Brick Work of any thickness	cu.m	1489.00
5	Dismantling of Plain cement concrete of any thickness	cu.m	1087.00
6	Dismantling of RCC of any thickness and staking reinforcement	cu.m	2567.00
	Centering and shuttering including strutting, propping etc. and removal of form for :		
7a	Foundations, footings, bases of columns, etc. for mass concrete	sq.m	270.00
7b	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sq.m	533.00
7c	Suspended floors, roofs, landings, balconies and access platform	sq.m	672.00
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :		180.00
8	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 20 mm nominal size)	Cu.m	5547.00
9	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	Cu.m	5099.00
10	1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) - in floor bedding.	Cu.m	6967.00
11	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	per 50kg cement	50.00
12	P.C.C in 1:2:4 in bands/sills on flooring including cutting the floor bonding etc. with neat cement finishing upto 75X75mm section	RM	54.00
13	R.C.C1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	8220.00
14	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	Sqm	397.00
15	Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), including the cost of required centering, shuttering complete. 1:1½:3 (1 Cement: 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size).	Cum	7129.00
16	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level , excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cum	8930.00
17	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits.		
a	50mm	Sqm	1386.00
b	40mm	Sqm	1254.00
18	S & F 50mm tk precast RCC 1:2:4 for shelves etc	Sqm	622.00
19	Proving haloring by cement concrete average 40mm tk, width 25mm	RM	79.00
20	DO the same but total width 15 cm	RM	47.00
3	BRICK WORK:		
21	Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in foundation and plinth in one or more brick thick:		
	Cement mortar 1:4 (1 cement : 4 coarse sand)	cu.m	6034.00

22	Brick work with common burnt clay machine molded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) : With F.P.S.(non modular) bricks	cu.m	7041.00
23	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:3 (1 cement : 3 coarse sand)	Sqm	915.00
24	Tile brick masonry work 5 cm thick with common burnt clay F.P.S.(non modular) tile bricks of class designation 10 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure above plinth and upto floor five level.	Sqm	738.00
25	Dry brick on flat brick soling in required pattern with bricks of class designation 7.5 on a bed of 12 mm sand , including filling joints with sand, with common burnt clay non modular bricks.	Sqm	402.00
26	Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm Sand, including filling joints with sand, with common burnt clay non modular bricks.	Sqm	643.00
4	STEEL AND IRON WORK:		
27	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto any level :Thermo-Mechanically Treated bars	M.T	79.00
28	Manufacturing/ supplying/ grill		
	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.		
A.	Fixed to steel windows by welding	KG	159.00
B	Fixed to openings /wooden frames with rawl plugs screws etc.	Kg	173.00
29	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required: In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg.	125.00
30	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.(Main Entrance at Ground Floor and At ground floor stair case	sq.m	8240.00
31	Supplying and fixing rolling shutters of approved make, made of required size M.S.	sq. m	2515.00
32	Extra for providing grided rolling shutter manufactured out of 8mm dia M.S bar instead of laths as per design	Sqm	587.00
33	Easing oiling and cleaning steel window shutter/ grill gate and repairing locks	Sqm	25.00
34	Easing oiling and cleaning steel rolling shutter rolling gate and repairing locks	Sqm	26.00
35	Removing fabricated item and staking the same in the premises as directed		
a	Rolling shutter	Sqm	27.00
b	Collapsible gate	Sqm	18.00
c	Metal Window/ doors with shutter/ without shutter/ frame	Sqm	10.00
d	Grill gate	Sqm	11.00
36	P & F Oxidized steel peg 300 mm long	No	22.00
37	DO- as above but with two point handle	No	30.00
38	Steel hinges for shutter	No	61.00
39	P & F MS members of steel frame	Kg.	
40	P & F pin cleat for steel window	No.	12.00
41	Fixing standard steel glazed doors, windows and ventilators in walls, including fixing of float glass panes with glazing clips and special metalsash putty of approved make, or metal beading with screws, (only steel windows, glass panes cut to size and glazing clips or metal beading with screws, shall be supplied by department free of cost. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)Steel window of approved manufactures fully glazed	Kg.	154.00
42	S & F top/ Bottom rail of collapsible gate	Kg.	154.00
43	Preparation partition by welding IRC fabric 25X25X14 G incl 2 coat of SEP	Sqm	328.00

44	Bringing to site and taking back the welding set after completion of working the premises	One item	750.00
45	Repairing works in rolling shutter, collapsible shutter, windows		
A	Collapsible gate	Sqm	148
B	Window Grill/ railing	Sqm	56
C	M.S gate	Sqm	46
D	Rolling shutter	Sqm	73
46	P & F MS hold fast size 300X30X5mm	No.	39
47	P & F MS hold fast size 150X30X5mm	No.	30
48	P & F125 long coach screw	No.	43
49	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately)		
(b)	Second class teak wood	cum	115367.00
(a)	Sal wood	cum	106721.00
(c)	Kiln seasoned and chemically treated hollock wo	cum	74200.00
50	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	2471.00
51	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.		
	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	2706.00
52	Fly proof shutter as per design galvanise/ stainless steel netting 22 gauge of approve quality including fitting and fixure of shutter including hinges but excluding other fittings		
	32 mm tk	Sqm	1440.00
53	Preparing the paneled/ glazed door and window frames and shutter with existing materials in LIC premises including painting in two coat with SEP		
A	XMP/BRC/IRC	Sqm	292
B	Fully paneled/ partly paneled partly glazed with any type of panel with any type of lining	Sqm	462
C	Partly paneled partly glazed including removing the glass panes, if required, and staking the those as directed	Sqm	365
D	Framing with ply / soft board /metal sheet/ masonite	Sqm	425
E	Framing with wooden sections for partition with ply	Sqm	425
54	Making slit opening 200X12mm size slightly tapered in entrance as per direction of Engineer in Charge.	no	61
55	Providing and fixing sand block of 150X75X50mm size made up of teak wood including painting	no	70
56	Providing hinge clit 80mm	no	56
57	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :		
	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4mm wide aperture with matching wood beading	Sqm	1334.00
58	Providing nylon netting (Fly proof) including propoer teak wood beading and painting as per direction	Sqm	1279.00
59	Removing the door/window including shutter from the position without damaging the holdfast and refixing in new position with cement concrete 1:2:;4 nad mending good all the damages with existing finish		
a	door	no	498
b	window	no	395
60	Only taking out door/ window shutter with frame up to area 5 Sqm and staking the same mending good the damage and refixing the shutter where ever required.		100

61	Repairing the necessary screws/ pins etc. easing/ adjusting doors/ windows shutter of any type size and thickness including taking out and refixing the shutter wherever required.		
A	door	no	85
B	window	no	70
62	Removing, adjusting and refixing door closure of any size and type/ make including oiling etc complete	no	170
63	Removing, adjusting and refixing mortice lock, night latch etc	no	141
64	Do- as per above but for handle to handle for mortice lock	no	106
65	Do- as per above but aldrop of approved quality including supply of nut etc. for handle to handle for mortice lock	no	28
66	P & F plain Al. sheet 2 gauge with brass nails to door and windows as kick plate	Sqm	352
67	P & f the Al. anodized rail E channel with necessary accessories		
a	18X10X1,5mm tk	RM	63
b	25X10X1,5mm tk	RM	78
c	15X6X1,5mm tk	RM	50
68	Prime Cost item for providing of Hardware fittings and fixtures as per direction and as approved. The original purchase voucher / cash memo has to be produced for reimbursement.		
69	Fitting and fixing of the Hardware fittings including all fixing materials such as screws, nails, adhesive etc, all labour charges and profit and overhead expenses.		
70	Providing & Fixing of 1200 mm height approx (Low Height) partitions consisting of G.I. frame and required 9mm thick Fire Retardant plywood confirming to IS 5509 , including providing and fixing of frame work made of special section powder pressed/roll from G.I. sheet with zinc coating of 120 gms/ sqm (both side inclusive), consisting of floor channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, suitable ancore fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of 9mm thick Fire Retardant plywood to both side of frame work by 25 mm long dry wall screws on studs, floor channels at the spacing of 300 mm centre to centre. The 9mm thick Fire Retardant plywood are to be fixed to the frame work with joints staggered to avoid through cracks finished with both sides 1mm thick high pressured laminates of approved make & shade etc. complete with recommended adhesive.	Sqm	4091.00
71	Providing & Fixing of 1200 mm height approx (Low Height) partitions consisting of G.I. frame and required 9mm thick Fire Retardant plywood confirming to IS 5509 , including providing and fixing of frame work made of special section powder pressed/roll from G.I. sheet with zinc coating of 120 gms/ sqm (both side inclusive), consisting of floor channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, suitable ancore fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of 9mm thick Fire Retardant plywood to both side of frame work by 25 mm long dry wall screws on studs, floor channels at the spacing of 300 mm centre to centre. The 9mm thick Fire Retardant plywood are to be fixed to the frame work with joints staggered to avoid through cracks finished with without laminate and paint etc. complete with recommended adhesive	Sqm	3647.00

72	<p>Providing & Fixing of Full Height partitions upto ceiling height consisting of G.I. frame and both sides required 9mm thick Fire Retardant plywood confirming to IS 5509 , including providing and fixing of frame work made of special section powder pressed/roll from G.I. sheet with zinc coating of 120 gms/ sqm (both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, suitable anchore fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of 9mm thick Fire Retardant plywood to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The 9 mm thick Fire Retardant plywood are to be fixed to the frame work with joints staggered to avoid through cracks , M.S. fixing channel of 99mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two 9 mm thick Fire Retardant plywood , fixed to the studs using metal to metal flat head screws, without complete with recommended adhesive , angle beads at corners (25 mm x 25 mm x 0.5 mm) , as per manufacture's specification and direction of engineer in charge all complete. with both side Synthetic Enamel paint over primer including preparation of surface. Mode of measurement: The measurement shall be for height up to false ceiling level however payment above False Ceiling will be made in the respective items.</p>	Sqm	3572.00
73	Full height Double skin partition with 9 mm thick fire retardant plywood.		
	<p>Providing & Fixing of Full Height partitions upto ceiling height consisting of G.I. frame and required 9mm thick Fire Retardant plywood confirming to IS 5509 , including providing and fixing of frame work made of special section powder pressed/roll from G.I. sheet with zinc coating of 120 gms/ sqm (both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, suitable anchore fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of 9mm thick Fire Retardant plywood to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The 9 mm thick Fire Retardant plywood are to be fixed to the frame work with joints staggered to avoid through cracks , M.S. fixing channel of 99mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two 9 mm thick Fire Retardant plywood , fixed to the studs using metal to metal flat head screws, including jointing and finished with both sides 1mm thick high pressured laminates of approved make & shade etc. complete with recommended adhesive , angle beads at corners (25 mm x 25 mm x 0.5 mm) , as per manufacture's specification and direction of engineer in charge all complete. Mode of measurement: The measurement shall be for height up to false ceiling level however payment above False Ceiling will be made in the respective items.</p>	Sqm	4091.00

74	<p>Providing & Fixing of Full Height partitions up to ceiling height consisting of G.I. frame and required 9mm thick Fire Retardant plywood confirming to IS 5509 , including providing and fixing of frame work made of special section powder pressed/roll from G.I. sheet with zinc coating of 120 gms/ sqm (both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, suitable anchore fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of 9mm thick Fire Retardant plywood to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The 9 mm thick Fire Retardant plywood are to be fixed to the frame work with joints staggered to avoid through cracks , M.S. fixing channel of 99mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two 9 mm thick Fire Retardant plywood , fixed to the studs using metal to metal flat head screws, including jointing and finished with one side 1mm thick high pressured laminates and other side with synthetic enamel paint of approved make & shade in two or more coats over a coat of primer including surface preparation etc. complete with recommended adhesive , angle beads at corners (25 mm x 25 mm x 0.5 mm) , as per manufacture's specification and direction of engineer in charge all complete.The measurement shall be for height up to false ceiling level however payment above False Ceiling will be made in the respective items.</p>		3831.00
75	<p>Providing & Fixing of Full Height (Partly glazed & partly paneled) partitions up to ceiling height consisting of G.I. frame and required 9mm thick Fire Retardant plywood confirming to IS 5509 , including providing and fixing of frame work made of special section powder pressed/roll from G.I. sheet with zinc coating of 120 gms/ sqm (both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, suitable anchore fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of 9mm thick Fire Retardant plywood to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The 9mm thick Fire Retardant plywood are to be fixed to the frame work with joints staggered to avoid through cracks , M.S. fixing channel of 99mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two 9 mm thick Fire Retardant plywood , fixed to the studs using metal to metal flat head screws, including jointing and finished with both sides 1mm thick high pressured laminates of approved make & shade etc. complete with recommended adhesive , 6mm thick plain float glass fixed above 1200 mm height up to 2100 mm height including itching (Design as approved by LIC) fixed with Teak wood beading of 32 mm x 12 mm size finished with laquer polishing. Glass panel shall be 1200x900 mm ht aproximately with rquired suitable beads etc. for fixing of glazing , as per manufacture's specification and direction of engineer in charge all complete. The measurement shall be for height up to false ceiling level however payment above False Ceiling will be made in the respective items.</p>	Sqm	3946.00
76	P & F wooden wall cabinet having sliding arrangement for 5mm tk glass-----		
a	40 cm projected from the wall	Sqm	3889
b	30 cm projected from the wall	Sqm	3342
c	25 cm projected from the wall	Sqm	2978
d	20 cm projected from the wall	Sqm	2735
77	Ditto as item no 87 but shutter made up of block board		
a	40 cm projected from the wall	Sqm	3889
b	30 cm projected from the wall	Sqm	3342
78	P & f 450 mm deep overhead storage unit of required length height 750mm made up with 19 mm ply finished with SEP from inside and 1mm thick laminate externally as per direction of Engineer in charge. The storage will have one shelf in between (The cost of hardware will be paid separately)	Sqm	5469

79	P & f 450 mm deep overhead storage unit of required length height 450mm made up with 19 mm ply finished with SEP from inside and 1mm thick laminate externally as per direction of Engineer in charge. The storage will have one shelf in between (The cost of hardware will be paid separately)	Sqm	5822
80	Low Height Storage Units : Low height storage unit with overall ht. 1200 mm approx with 2 equal compartments. made of 19mm th FSC certified fire retardant plywood confirming to IS : 5509 with T.W. lipping/ laminate at edges. 19mm th.fire retardant plywood confirming to IS : 5509 in verticles at every 900mm or part thereof at sides& at top. Back of 6mm thick FSC certified fire retardent plywood.& shelves of 19mm th. FSC certified fire retardent ply one at 75mm above floor and 1 shelf at 550 mm from Floor level fixed over cupboard shelf supports of Ebco make . Each cupboard (900 wide) shall have (i e set of 2 shutters in 900x1025 mm)	Sqm	10550.00
	Each shutter shall be provided with 2nos Hinges (HSM 1/2/3) of Ebco make for each shutter, two nos of 75mm tower bolts ,2 magnetic catchers, cupboard lock with keys & recessed Aluminium handles all approved make incl. finishing with 1.0 mm th. FSC certified Fire Retardant lamination of approved shades at front,top & sides and All the inner sides of the storage unit are to be covered with 0.8 mm thick balancing laminate and back of the cupboard and reverse side of bottom shelf (horizonatl member) shall be provided with one coat of french polish. Only front face will be measured.		
81	FULL HEIGHT STORAGE UNIT :P/F 450mm deep full ht. storage units of reqd. length with overall ht. 2100mm approx with 5 equal compartments. made of 19mm th FSC certified fire retardent plywood confirming to IS : 5509 with T.W. lipping/ laminate at edges. 19mm th.fire retardent plywood confirming to IS : 5509 in verticles at every 900mm or part thereof at sides& at top. Back of 6mm thick FSC certified fire retardent plywood.& shelves of 19mm th. FSC certified fire retardent ply one at 75mm above floor and 4 shelves spaced at approximately 400 mm c/c fixed over cupboard shelf supports of Ebco make . Each cupboard (900 wide) shall have (i e set of 4 shutters in 900x2100mm)(one shutter should not be more than 450mm wide and 1200mm high)	Sqm	9415.00
	provided with 2 nos Hinges (HSM 1/2/3) of Ebco make for each shutter, two nos of 75mm tower bolts ,2 magnetic catchers, cupboard lock with keys & recessed Aluminium handles all approved make incl. finishing with 1.0 mm th. FSC certified Fire Retardant lamination of approved shades at front,top & sides and All the inner sides of the storage unit are to be covered with 0.8 mm thick balancing laminate and back of the cupboard and reverse side of bottom shelf (horizonatl member) shall be provided with one coat of French Polish all as directed.		
82	S & F hardwood moulded beading incl SEP		
a	20X10mm	RM	19
b	25X15mm	RM	36
c	40X15mm	RM	57
d	50X15mm	RM	70
e	100X15mm	RM	126
f)	100X25mm	RM	173
83	S & F hardwood moulded beading incl melamine polish		
a	75X12mm	RM	273
b	50X18mm	RM	152
c	35X12mm	RM	91
d	25X25mm	RM	109
e	25X12mm	RM	79
f)	12X12mm	RM	30
84	S & F TW moulded beading incl SEP over a coat of primer		
a	75X25mm	RM	243
b	50X18mm	RM	134
c	25X25mm	RM	83.00
d	12X12mm	RM	73
f)	100X25mm	RM	27
85	Providing and Fixing Fire Retardant Ply wood		
a	6mm tk	Sqm	730.00
b	9mm tk	Sqm	1074.00
c	12mm tk	Sqm	1341.00

d	19mm tk	Sqm	1793.00
86	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness .The laminate shall be moulded with fire resistant grade saturated polyester resin and chopped mat. Door frame laminate shall be 2 mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame	RM	616.00
87	30 mm thick Fiberglass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fitting sand polyurethane foam (PUF) /Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856, complete as per direction of Engineer-in-charge.	Sqm	3475.00
88	Providing and Fixing decorative 1 mm thick FSC Certified Fire Retardant high Pressure Laminate conforming to IS 2046 (type S), in gloss/matt/suede finish and fixing with synthetic adhesive suitable for Laminate.	Sqm	897.00
89	Providing and Fixing 0.80 mm thick balancing laminate and fixing with synthetic adhesive suitable for Laminate.	Sqm	651.00
90	Metallic finish laminate 1 mm tk	Sqm	1200.00
91	P & F 3.85mm tk decorative veneer including Malamine polish complete as per direction of Engineer incharge	Sqm	1086.00
92	P& F 12mm thk teak veneered block board	Sqm	1094.00
93	12 mm cement plaster of mix: 1:4 (1 cement: 4 fine sand)-wall	sq. m	259.00
94	External Cement Plaster 1:4 , 12mm thick with water proofing material (Water proofing material will be paid extra)	sq. m	242.00
95	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand).-- with water proofing material.	sq. m	388.00
96	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand) -Ceiling	sq. m	222.00
97	15 mm cement plaster of mix : 1:4 (1 cement : 4 fine sand)	sq. m	298.00
98	Flush/Ruled/Struck or weathered Pointing on brickwork or brick flooring with cement mortar 1:3	Sqm	188.00
99	18mm tk plain cement mortar sunk band 100mm wide in C:M 1:4	cm per mt.	7.00
100	Repairing of cracks on wall by making V groove as per direction of Engineer in Charge	RM	16.00
101	P & F the 30mm gauge Repairing of cracks on wall as per direction of Engineer incharge.	Sqm	69.00
102	Dismantling the damaged concrete/ Plaster in ceiling/ in C:M 1:4 as per instruction of Engineer in charge	Sqm	345.00
103	Do as above but with chicken mesh as per direction of Engineer Incharge	Sqm	414.00
104	Neat Cement finishing 1.5mm as per direction of Engineer in charge	Sqm	45.00
105	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	188.00
106	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	109.00
107	Band, Cornice, molding rectangular sections made with cement plaster 1:4		
A	Projection up to 25mm with depth 75mmto 100mm	R.M	25.00
108	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	Sqm	478.00
109	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1cement : 3 coarse sand), finished with a floating coat of neat cement. 15 mm thick.	Sqm	500.00
111	Pointing on existing marble/glazed/mosaic/kotah/ tiles etc with white or gry cement in CM 1:3 complete including racking out old joints, removal and refilling	Sqm	67.00

112	Marble stone flooring with 16 mm thick(minimum) marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with .. Udaipur green marble Considering Treads, Landing, Skirting , etc complete for stair case.(basic rate Rs.620.00 per Sqm)	Sqm	1746.00
113	Cleaning of Floor/dado with oxalic acid/vim/soap water whichever required	Sqm	8.00
114	Polishing the floor/ dado with floor polish/ mason polisher mirror polish with machine	Sqm	9.00
115	Cutting the existing marble mosaic floor with '0' no. carborandum stone by hand / machine i.e including washing with oxalic acid etc complete including polishing.	Sqm	368.00
116	Providing and laying Anti- skid Ceramic tiles in flooring (joint free/Rectified) of size 300x300 mm/ 496 x496 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) or with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigments etc., complete (Basic Rate: Rs. 32.00 per Sq. Ft)	sq. m	972.00
117	Providing and fixing 1st quality ceramic glazed wall tiles (Joint free/Rectified) of size 250 x 350 mm/ 300 x450 mm/300 x600 mm conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make,in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados,over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) or with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. (Basic Rate: Rs. 35.00 per Sq. ft)	Sqm	1015.00
118	P & L Ceramic tile of premium quality of size 250X75/300X75mm and make as per approved by LICl in decorative border in Dado iover cement mortar backing upto 12mm tk. In prop 1:4 and fixing the tiles with neat cement float and 4 nos. key stone.....	R.M	505.00
119	Fixing existing white glazed tile/ ceramic tile of any thickness of any size with C:M 20mm tk in prop 1:3 with adding water proof compound, filling the joins with white cement, taking out existing tile etc complete as per direction	Sqm	103.00
120	P & L 2mm tyk vinyl flooring / skirting of approved colour and approved make vinyl in sizes not exceeding 450mmX450mm / roll fixed with adhesive all per as per <u>manufacturer specification complete as directed</u>	Sqm	547.00
121	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) or with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, including grouting the joints with white cement and matching pigments etc., complete. - Size of Tile 600 mm x 600 mm (Basic Rate of Tiles Rs.50.00 per Sq ft). -- Office Hall	Sqm	1169.00
122	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps , over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/Sqm including grouting the joint with white cement & matching pigments etc. complete. --- Size of Tile 600 mm x 600 mm (Basic Rate of Tiles Rs.50.00 per Sq ft).	Sqm	1208.00
123	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade with two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	Sqm	168.00
124	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanized iron/ steel works	Sqm	49.00

125	Finishing walls with textured paint of required shade(Two or more coats applied @ 3.28 ltr/10 Sqm) over and including priming coat of primer applied @ 2.20kg/10 Sqm	sqm	215.00
126	Painting with silicon & acrylic emulsion based water thinkable sealer of approved brand and manufacture on wet or patchy portion of plastered surfaces :		
a	One Coat	Sqm	68.00
b	Two coats	Sqm	102.00
127	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/liter, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work	sq. m	81.00
128	Finishing walls with water proofing cement paint of required shade New work (Two or more coats applied @ 3.84 kg/10 sqm)	Sqm	86.00
129	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade :New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20kg/ 10 sqm)	sq. m	142.00
130	White washing with lime to give an even shade :		
a	Old work (two or more coats)	Sqm	15.00
b	Old work (one or more coats)	Sqm	9.00
131	White washing with lime to give an even shade New work (three or more coats)	Sqm	28.00
132	Lime wash on walls with one coat.	Sqm	10.00
133	Providing and applying French spirit polishing with Two or more coats on new works including a coat of wood filler	Sqm	323.00
134	Cleaning the existing old polish surfaces with approved cleaning chemicals	Sqm	7.00
135	With ready mixed primer of approved brand and manufacture on wood work	Sqm	54.00
136	Through scrapping of the surface for removing white/ colour wash, sand papering and preparing the surface smooth including necessary repairs, applying putty etc complete	Sqm	8.00
137	P & A SEP 2coats after proper cleaning, scrapping etc including removal andrefixing if requires.		
A	Ceiling fan with all accessories	No	118
B	Tube light fittings with all accessories	No	60
138	P & F glass panes to door /windows/ partition etc including taking out broken glass panes and fixing new glass panes with good quality putty, nails, TW beads as required, of required size and painting etc complete as per direction		
A	4 mm tk float glass panes (weight not less than 10 kg / Sqm)	Sqm	826.00
B	5.50 mm tk float glass panes(weight not less than 13.50 kg / Sqm)	Sqm	1090.00
C	6.00 mm tk float glass panes(weight not less than 14.96 kg / Sqm)	Sqm	1177.00
D	8.00 mm tk float glass panes(weight not less than 19.95 Kg / Sqm)	Sqm	1312.00
E	10.00mm tkfloat glass panes(weight not less than 24.93 Kg / Sqm)	Sqm	1693.00
139	Taking out old damaged unservisable putty of glass panes of windows/ door and renewing the same with approved first quality metal putty/ wooden beading/ alumunium beading and rubber, nails etc including scaffolding		
a	steel window/door	R.M	41.00
140	P & F GI sheet roofing o.63mm tk with GI J/L hook and washers		
a	plain	Sqm	410
b	corrugated	Sqm	858
141	Fitting fixing CGI/AC sheet supplied by LICl including taking out damaged sheet and scaffolding etc	Sqm	85.00
142	Frame work for suspended ceiling with pin haedded aluminum main and cross tees of size 38X25X1.5mm as per instruction of Engineer in charge	Sqm	462.00
143	P & F 12mm tk 600X600 mm semi perforated particle board of kit, top line	Sqm	425.00
144	P & F Armstrong false ceiling framework powder coated as per Direction of Engineer In-charge	Sqm	486.00
145	providing and fixing 12 to 15 mm tk Armstrong ceiling tile 600X600mm	Sqm	493.00

146	Providing & fixing at all height false ceiling with G.I. section manufactured by M/s. Gypsum India Ltd (Gypsteel). The framing sections of the ceiling are 0.55mm thick Perimeter channel having flange of 20mm & another flange of 30mm & web of 27mm (20 x 27x30 x 0.55 mm) fixed at 610 mm c/c and connected to suspended GI intermediate channel (15 x 45 x 15 x 0.9 mm thick) at 1220 mm C/C with ceiling angles of size 25 x 10 x 0.55 mm thick. Fixed to soffit with GI cleat & steel expansion fasteners. Ceiling section of 80 x 26 x 0.55 mm thick having knurled web of 51.5mm & two flanges of 26mm each with lips of 10.5mm are to be fixed to the intermediate channel with the help of connecting clip of size 2.64mm dia and in direction perpendicular to intermediate channel at 475 mm centers including fixing of 12.5 mm thick tapered edge gypsum board (conforming to IS: 2095-1982 & 2542-1981) with drywall screws at 230 mm c/c, to have a flash finish of tapered and square edges of the gypsum board with recommended filler, paper tapes, finisher, all as per manufactures specification. Including two coats of primer suitable for gypsum board two or more coats of acrylic distemper paint of approved shade and also including making necessary opening for light fitting, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed all complete as per drawing and specification and direction. (Note: only plan area shall be measured for payment. Drops below AC ducts of any depth will not be measured for payment. The drops for design purpose, which are provided as directed, will be measured and paid separately. No deductions for light cutting separately).	Sqm	1005.00
147	Replacement of damaged portion of gypsum board false ceiling with new 12.5mm tk tepered edge gypsum board GYPROCK of SAINT GOBAIN	Sqm.	473.00
148	P & F decorative molding as mentioned below		
A	150 mm to 100mm wide	RM	194
B	38 mm to 750mm wide	RM	146
149	P & f alumunium palment road as mentioned below.		
a	20mm dia	RM	134
b	25mm dia	RM	158
150	Same as item above item but CP on brass, 20mm dia	RM	219
151	P & F 6mm dia nylon wire (for drying cloth) including 4 no CP hook 75 mm longand 5mm tk as per direction of Engineer in Charge.	RM	18
152	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge .The elevation area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.	Sqm	250.00
153	Cleaning of the wall/ ceiling surface of any quarter/ office premises with cloth or cleaning brush including removal of spider nets etc without damaging the treated surface of the premises, complete as per direction.	Sqm	6.00
154	P & F 6mm tk corrugated asbestos sheet for roofing/ walls, shutter etc over existing frame work with screws nails complete including taking out damaged portion	Sqm	405.00
155	S & F 25 mm tk cuddapah stone in CM 1:4 as per direction of Engineer in charge	Sqm	1033.00
156	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete withbase of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25mm tk	Sqm	1496.00
157	Marble stone flooring with 16 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand)laid and jointed with grey cement slurry, including rubbing and polishing complete with : Makrana	Sqm	2961.00

158	Providing and fixing minimum 16 mm thick gang saw cut, mirror polished, pre moulded and pre polished, machine cut granite of approved colour for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment,epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade - Area of slab over 0.50 sqm (Main entrance, Risers. Treads, granite top over basin etc)--(basic rate Rs.1800.00 per Sqm)	sq. m	3514.00
159	For attending various miscellaneous repair and maintenance job charges to be paid under as		
A	unskilled collie/ majdoor	Nos.	595
B	mason/ carpenter/ skilled	Nos.	788
160	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	122
161	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per meter cost of total length of barbed wire used. With G.I. barbed wire	RM	17
162	Removal of old tarfeld along with pea gravel as per direction of Engineer in charge	Sqm	4
163	Removal of only old pea gravel	Sqm	1
164	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	Sqm	17
165	Cleaning of vegetation in form of tree, sapling sb etc at any height girth upto 300 mm including roots to be treated with acid.	No.	61
166	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	11
167	Providing and fixing 100mm vertical blinds of approved shade and design including channel fixed as per site condition and manufacturers specifications of "VISTA" or equivalent of approved make. (The product & supply has to be certified by the Manufacturer directly. Contractors has to produce a certificate from Manufacturer before claiming any bill for this item)	Sqm	1105
168	Cleaning of Vertical blinds as per direction of Engineer in charge.	Sqm	103
169	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :		
	For shutters of doors, windows (sliding) & ventilators (top hung) including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber /neoprene gasket required (Fittings shall be paid for separately)		
	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	466.00
	MISCELLANEOUS WORK :		

170	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size)	Sqm	325.00
171	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete 40mm tk	Sqm	478.00
172	Cement concrete pavement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete.	Cum	6978.00
173	Honey-comb brick work 10 / 11.4 cm thick with common burnt clay bricks of class designation 7.5 in super structure above plinth level up to floor V level with cement mortar 1:4 (1 cement : 4 coarse sand).	cu.m	180.00
174	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)	kg	537.00
175	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	69.00
176	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.-1.00 mm thick with zinc coating not less than 275 gm/m ² (Basement entrance cover)	Sq.M	1158.00
177	Providing & fixing main door fully glazed shutter made of 12 mm thick clear glass with etching fixed with 2nd class Teak wood beading of required size. Door shutter frame shall be of Teak wood section 200 mm x 40 mm at bottom, 150x40mm at top & 150x40mm for verticals. Glass with etching including as per approved design and pattern, LIC emblem and . Hardware fittings like 4 Nos- 300mm, 25mm dia long SS handles, Two Heavy duty floor springs of approved make, 4 Nos. SS finished brass tower bolts, dead lock etc. complete. Door shall be finished with laquer polish on both side as directed. (The Cost of Hardware shall be paid under relavent items tender)	Sq.M	4465.00
178	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws including lipping of teak wood of size 30x12 mm all round the edge etc. and finished with both sides 1mm thick high pressured laminates of approved make & shade etc. complete with recommended adhesive. (Hardware fittings, will be paid in respective items.)	Sq.M	3136.00
179	Providing & erecting Suspended Ceiling System with similar to Armstrong "CLASSIC LITE" (H 1673M OR 1892M/1893M) Tiles in module size of 600mm X 600mm X 16 mm (M1672), laid with suprafine 15 mm Hot Dipped Galvanized Steel Suspension system Zinc Coated having Rotary Stitched. All as per manufacturers' specification.	Sqm	1075.00
Frame work			

	Comprises main runners width 24mm and web height 35mm made out of 0.4 mm hot dipped galvanized steel spaced at 1200 mm centers securely fixed to the structural soffit by approved hangers at 1200mm maximum centers and not more than 150 mm from spliced joints. The last hanger at the end of each main runner should not be greater than 600 mm from the adjacent wall. 1200 mm long cross tees of web height 35mm and made out of 0.4 mm thick galvanized steel to be interlocked between main runners at 600 mm centers to form 1200 X 600 mm modules.		
	Cross tees longer than 600 mm require independent support. 600 X 600 mm modules to be formed by fitting 600 mm long cross tees centrally between the 1200 mm cross tees. Perimeter trim to be wall angles 19mm X 19 mm secured to walls at 450 mm maximum centers- all as per manufacturer's specifications.		
	The cost to include the cost of frame work for providing lighting arrangement CFL or mirror optic and providing making additional T/angle for creating opening for providing lights for which no extra payment will be made.		
	The cost to include the cost of frame work and coves for fixing light fixtures. The light fixtures shall not be fixed directly on to the tiles. Cut outs will not be deducted while measuring the ceiling area.(Only plan area will be measured for payment.)		
180	Full height Double skin Calcium silicate partition with low VOC acrylic emulsion paint	Sqm	1860.00
	Providing and fixing partition upto ceiling/false ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/ sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete.		
	66mm overall thickness Partition with 8mm thick double skin Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process with Compressive Strength 225 kg/sq.cm, Bending Strength 100 kg./ sq.cm with two coats of low VOC interior grade acrylic emulsion paint of approved make and shade .		
	Mode of measurement: The measurement shall be for height up to false ceiling level however payment above False Ceiling will be made in the respective items.		
181	Providing and Fixing overall 66 mm thickness partly glazed /partly calcium silicate double skin partition up to false ceiling height GI frame and 6 mm thick float glass.	Sqm	2126.00

	<p>The frame work shall be made of power pressed /roll form GI sheet with zinc coating of 120 gms/ sq m (both sides inclusive), consisting of floor and ceiling channels and two additional channels at 2100 mm level and two additional channels at about 300 mm from floor level, 50 mm wide having equal flanges of 32 mm and 0.5 mm thick, fixed to the floor and ceiling at the spacing of 610 mm c.c. with dash fastener of 12.5 mm dia, 50 mm length or suitable anchor fastener or metal screws with nylon plugs and studs 48 mm wide having one flange of 34 mm and other flange of 36 mm and 0.5 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm c/c by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall and suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm c/c, and fixing of boards to both sides of frame work by 25 mm long dry wall screws on studs , floor and ceiling channels at spacing of 300 mm center to center.</p>		
	<p>The glass pane shall be 6 mm float glass fixed on 19 mm Ply backing(4 sides) in the GI Channels with 30 x 12 mm teak wood beading and melamine polished.(Refer to the drawing)</p>		
	<p>The glazed partition shall have bands of 300 mm at bottom, top and side. The bands shall be of 8 mm calcium silicate board and painted with two coats of Low VOC Interior grade Acrylic Emulsion Paint of approved make and shade. The measurement shall be for height up to false ceiling level however payment above False Ceiling will be made in the respective items.</p>		
182	<p>Providing & Fixing of Full Height partitions upto ceiling height consisting of G.I. frame and required 9mm thick Fire Retardant plywood confirming to IS 5509 , including providing and fixing of frame work made of special section powder pressed/roll form G.I. sheet with zinc coating of 120 gms/ sqm (both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, suitable anchore fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of 9mm thick Fire Retardant plywood to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The 9 mm thick Fire Retardant plywood are to be fixed to the frame work with joints staggered to avoid through cracks , M.S. fixing channel of 99mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two 9 mm thick Fire Retardant plywood , fixed to the studs using metal to metal flat head screws, including jointing and finished with both sides synthetic enamel paint of approved make & shade in two or more coats over a coat of primer including surface preparation etc. complete with recommended adhesive , angle beads at corners (25 mm x 25 mm x 0.5 mm), as per manufacture's specification and direction of engineer in charge all complete. The measurement shall be for height up to false ceiling level however payment above False Ceiling will be made in the respective items.</p>	Sqm	3572.00

183	Providing and fixing of 1200 mm height approx(Low Height) partition consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/ sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 0.5 mm each) to be provided at the	Sqm	1900.00
	66mm overall thickness Partition with 8mm thick double skin Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process with Compressive Strength 225 kg/sq.cm, Bending Strength 100 kg./ sq.cm with two coats of low VOC interior grade acrylic emulsion paint of approved make and shade .		
184	Providing and laying autoclaved aerated cement blocks masonry with 100 /150/230/300 mm thick AAC blocks insuperstructure above plinth level up to V floor level in cement mortar1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos 6 mm dia M.S bars at every third course of masonry work.	Cum	6132.00
	Column/wall cladding:		
185	Wall/column Panelling with 08 mm thick calcium silicate board. Providing and Fixing in position concealed GI section for wall /column paneling using board of required thickness fixed on W profile (0.55 mm thick) having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm, placed @ 610 mm c/c in perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web length 27 mm. Perimeter channels is fixed on the floor and the ceiling with the nylon sleeves @ 610 mm c/c with fully threaded self tapping dry wall screws. Board is fixed to the W profile with 25 mm counter sunk ribbed head screws @ 200 mm c/c, all complete as per drawing & directions of engineer-in-charge, the joints of the boards are finished with specially formulated jointing compound and 48 mm wide jointing tape to provide seamless finish and providing 10 mm calcium silicate Board of 10 mm thick with tapered edges made with calcareous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with compressive strength of 225 kg per sq cm and Bending Strength of 100 kg/Sq cm	Sqm	1014.00
	The finishing of Laminate/Painting shall be measured and paid separately.		
	Providing and Fixing in position concealed GI section for wall /column paneling using board of required thickness fixed on W profile (0.55 mm thick) having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm, placed @ 610 mm c/c in perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web length 27 mm. Perimeter channels is fixed on the floor and the ceiling with the nylon sleeves @ 610 mm c/c with fully threaded self tapping dry wall screws. Board is fixed to the W profile with 25 mm counter sunk ribbed head screws @ 200 mm c/c, all complete as per drawing & directions of engineer-in-charge, the joints of the boards are finished with specially formulated jointing compound and 48 mm wide jointing tape to provide seamless finish and providing 10 mm calcium silicate Board of 10 mm thick with tapered edges made with calcareous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with compressive strength of 225 kg per sq cm and Bending Strength of 100 kg/Sq cm The finishing of Laminate/Painting shall be measured and paid separately.		
186	Wall/column Panelling with overall thickness 32mm with 42X25 mm seasoned sal wood frames @450mm C/C in horizontal and vertical.... Finished with 1mm tk laminate, 6mm tk fire retardant ply		3965.00

188	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm	405.00
189	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.		
a	Door Chowkhats	No.	1320.00
b	Window Chowkhats	No.	831.00
190	Marble stone flooring with 16 mm thick(minimum) marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with .. Udaipur green marble Considering Treads, Landing, Skirting , etc complete for stair case.(basic rate Rs.620.00 per Sqm)	sq. m	1842.00
191	Finishing walls with textured exterior paint of required shade :		
a	Old work (Two or more coats on existing cement paint surface applied @ 3.28 ltr/10 sqm.	Sqm	168.00
b	Old work (One or more coats) applied @ 1.82 ltr/10 sqm.	Sqm	104.00
192	Finishing walls with textured exterior paint of required shade		
	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	Sqm	215.00
193	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	18.00
194	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.		
a	125mm	No.	88.00
b	100mm	No.	66.00
c	75mm	No.	43.00
195	Refixing old glass panes with putty and nails	Sqm	529.00
196	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.	Sqm	52.00
197	Renewing bottom rail and/or top runner of collapsible gate including making good all damages and applying priming coat of zinc chromate yellow primer of approved brand and manufacturer.	Sqm	216.00
198	Dismantling roofing including ridges, hips, valleys and gutters etc.,and stacking the material within 50 metres lead of:		
a	G.S. Sheet	Sqm	119.00
b	Asbestos cement sheet	Sqm	56.00
199	Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metres lead.	Kg	27.00
200	Providing and fixing APP (Atactic Polypropylene Polymer) modified refabricated five layer 2mm thick water proofing membrane , black finished reinforced with fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87 - 0.89 kg/ litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using Butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/ 5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be up to -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorized applicator of the manufacture of membrane. 2mm (for corrugated roof sheets)	Sqm	391.00

200A	Providing and fixing APP (Atactic Polypropylene Polymer) modified refabricated five layer 4mm thick water proofing membrane , black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87 - 0.89 kg/ litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using Butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/ 5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be up to -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorized applicator of the manufacture of membrane.	Sqm	718.00
201	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	Sqm	82.00
202	Laying old cement concrete interlocking paver blocks of any design/shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer- in-charge. (Old CC paver blocks shall be supplied by the department free of cost).	Sqm	284.00
203	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	6.00
204	Providing and Fixing Hardware of approved Make , with matching screws		
a	Providing and fixing Door Closures of approved brand and manufacture conforming to IS : 3564, (Door weight upto 80 Kg)	Each	1468.00
b	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, (door weight up to 125 kg)	Each	3194.00
c	Providing and fixing SS 304 Grade D type Door handles 300 x 22 mm long for glazed doors	Pair	883.00
d	Providing and fixing SS 304 Cylindrical Locks with two Keys of approved make	Each	1146.00
e	Providing and fixing Bright Finished Brass tower bolts (barrel Type) with necessary Screws etc complete , Size 250 X 10 mm	Each	406.00
f	Providing and fixing Bright Finished Brass hanging type floor door stopper with necessary Screws etc completer.	Each	192.00
g	Providing and Fixing 8 mm thick Calcium Silicate Board	sqm	541.00
h	Providing and Fixing 6 mm thick Fire Retardant Ply wood	sqm	730.00
i	Providing and Fixing 9 mm thick Fire Retardant Ply wood	sqm	1074.00
j	Providing and Fixing 12 mm thick Fire Retardant Ply wood	sqm	1147
k	Providing and Fixing 19 mm thick Fire Retardant Plywood	sqm	1791
205	Extra for pre finished nosing to treads of steps of marble stone.	R.M	465
206	Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 metre.	sq. m	546
207	Injecting Chemical emulsion chloropyrifos as per manufacturer's specification or preconstruction anti termite treatment and creating a chemical barrier as per IS-6313 PART II, 1981 (or latest) in wall trenches, foundations, top surfaces of plinth filling, junction of walls and floors along the external perimeter of the building, surroundings of pipes etc., complete. The work shall be executed through approved agency/agencies and with guarantee of 10 years. The rates shall be as per plinth area including as directed below.(Plinth area of the Building at ground shall be measured for payment.)	Sqm	83.00
208	Diluting and injecting chemical emulsion Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.: With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration	R.M.	54.00
209	Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers	Cost of 1.00 bag of 50 kg cement	50.00

210	<p>Providing & Fixing of Full/Half Height frame work upto ceiling height consisting of G.I. special section powder pressed/roll from G.I. sheet with zinc coating of 120 gms/ sqm (both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, suitable anchore fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre and ceiling channels at the spacing of 300 mm centre to centre. , M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints.</p>	Sqm	453.00
211	<p>Providing and fixing 30 mm thick ISI marked flush door shutters conforming to IS 2202(Part 1) Non decorative type core of block board construction with frame of 1st class hardwood and well matched commercial 3 ply veneering grains or cross bands and face veneers on both sides of the door. Laminate on the door shutter shall be measured and paid separately. The door shall be provided with 30 x 6 mm beading on all sides of the Door shutter. The door shall be fixed using 3 No 304 grade S.S. Butt Hinges of 127 x 89 x 3 mm size with ball bearing (magnum make or equivalent) with matching screws.</p>	Sqm	1878.00

PART B : SCHEDULE OF RATES OF SANITARY & WATER SUPPLY WORKS			
T.I. No.	DESCRIPTION OF WORK	UNIT	Rate
1	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :		
a)	W.C. pan with ISI marked white solid plastic seat and lid	each	4858.00
b)	W.C. pan with ISI marked black solid plastic seat and lid	each	4758.00
1A	Providing and fixing white vitreous china pedestal type (European type/ wash down type) water closet pan	each	2108.00
1B	Extra for using coloured pedestal type W.C pan (European type) with low level cistern of same colour instead of white vitreous china W.C pan and cistern	each	147.00
2	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :		
A	W.C. pan with ISI marked white solid plastic seat and lid	each	6086.00
b)	W.C. pan with ISI marked black solid plastic seat and lid	each	5986.00
3	Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C pan) with seat & lid fixed with C.P. brass hinges and rubber buffers, 10 litre low level flushing cistern with fitting and brackets, 40 mm flush bend, 20 mm over flow pipe, with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:		
	White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend	each	9054.00
4	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C.pan of size 580x440 mm with integral type foot rests	each	5069.00
5	Providing and fixing white vitreous china water closet squatting pan (Indian type) :		
a	Long pattern W.C. pan of size 580 mm	each	1462.00
b	Orissa pattern W.C. pan of size 580x440 mm	each	2418.00
5 C	Extra for using coloured W.C. pan instead of white W.C. pan :Orissa pattern W.C. pan 580x440 mm	each	366.00
6	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge.		
A	Long pattern W.C Pan of size 580x440 mm	each	2598.00
B	Orissa pattern W.C Pan of size 580x440 mm	each	3376.00
7	Providing and fixing a pair of white vitreous china foot rests of standard pattern for squatting pan water closet :		
A	250x130x30 mm	each	193.00
B	250x125x25 mm	each	196.00
8	Supply and fixing Porcelain Vitreous china half round channel 150X70mm with stop end/T junction/with hole as per site condition of Neycer make over bed mortar 1:3 complete	R.M.	1050.00
9	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:		

a	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	Each	2975.00
B	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	Each	2600.00
C	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	Each	2770.00
D	White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap	Each	2395.00
E	White Vitreous China Angle back wash basin size 600 x480 mm with single 15mm C.P. brass pillar tap	Each	2600.00
F	White Vitreous China Angle back wash basin size 400 x400 mm with single 15 mm C.P. brass pillar tap	Each	2248.00
G	White Vitreous China Flat back wash basin size 450x300 mm with single 15mm C.P. brass pillar tap	Each	2078.00
10	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings		
A	Flat back wash basin of size 630x450 mm	Each	1008.00
B	Flat back wash basin of size 550x400 mm	Each	803.00
C	Angle back wash basin of size 600x480 mm	Each	1008.00
D	Angle back wash basin of size 400x400 mm	Each	656.00
E	Flat back wash basin of size 450x300 mm	Each	486.00
10A	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings	Each	1315.00
10B	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:-		
	White Vitreous China Wash basin size 550x400 mm with a)15 mm CP Brass single hole basin mixer	Each	3983.00
10C	Providing and fixing wash basin with C.I. brackets, 15 mm PTMT pillar cock, 32 mm PTMT waste coupling of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required. White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm PTMT pillar cock.	Each	2211.00
11	Counter Wash basin of Oval shape of white glazed Vitreous China 400mm size approx with CP swan neck pillar tap, 32mm C.P. brass waste coupling, 32mm dia PVC waste pipe, 15mm dia. polythene pipe inlet, 15mm dia. C.P. angular brass stop cock, unions, joints, etc. supported on painted C.I.bracket etc. complete.	Each	6706.00
12	Wash basin of white glazed Vitreous China size 550 x 400mm with 15 mm dia. C.P. brass pillar tap, 32mm C.P. brass waste coupling, 32mm dia PVC waste pipe, 15mm dia. polythene pipe inlet, 15mm dia. C.P. angular brass stop cock, unions, joints, etc. supported on painted C.I. bracket etc. complete.(for handicapped)	Each	5228.00
13	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :		
A	Kitchen sink with drain board 510x1040 mm bowl depth 200 mm	Each	5503.00
B	Kitchen sink with drain board 510x1040 mm bowl depth 225 mm	Each	5854.00
14	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :		
a)	S.S. Kitchen sink without drain board 610x510 mm bowl depth 200 mm	Each	3748.00
b)	S.S. Kitchen sink without drain board 610x460 mm bowl depth 200 mm	Each	2927.00
c)	Kitchen sink without drain board 470x420 mm bowl depth 178 mm	Each	2575.00
15	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :		
a)	100 mm dia	Each	146.00
b)	150mm dia	Each	167.00
16	Providing and fixing PTMT swiveling shower, 15 mm nominal bore, weighing not less than 40 gms	Each	93.00
17	Providing and fixing round C. P. Brass over head 100mm. dia shower revolving type	Each	588.00

18	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required.		
	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	Each	4620.00
19 A	Providing and fixing white vitreous china flat back or wall corner type lipped front single urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required.	Each	3817.00
20	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS :2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required :		
A	Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	Each	8880.00
B	Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern	Each	13253.00
21A	Providing and fixing white vitreous china flat back single half stall urinal of size 580x380x350 mm with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required :	Each	7656.00
21B	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm or any size deep and 1.6 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.		
a)	White Agaria Marble Stone	Sqm	2821
b)	Granite Stone of approved shade	Sqm	2821
22	Providing and fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe.	each	2812
23	Providing and fixing toilet paper holder :		
A	C.P.Brass	Each	597.00
B	Vitreous china	Each	406.00
24	Supply and fixing C.P.Brass Soap tray.	Each	123.00
24 A	Supplying and fixing CP (Chrome plated) brass Soap Dish.- Jaquar - (Rs.569/-)	Each	683.00
24 B	Providing and fixing PTMT soap Dish Holder having length of 138mm,breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	Each	85.00
25	Supply and fixing C.P. brass liquid soap holder	Each	340.00
25A	Providing and fixing PTMT liquid soap container 109 mm wide, 125mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms	Each	128.00
26	Supply and fixing Acrylic liquid soap holder	Each	185.00
27	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete		
a)	10 litre capacity - White	Each	897.00
b)	10 litre capacity - coloured	Each	868.00
28	Supplying and fixing 10 liters virtuous china low level flushing Cistern (white) of approved make with either side or bottom inlet side over flow, brackets (painted) complete with all internal fittings.		
A)	10 litre (full flush) capacity-white	Each	1693.00
b)	10 litre (full flush) capacity-coloured	Each	2221.00
29	Supply and fixing Polythene flush pipe 32 mm. dia for low level flushing cistern in white colour upto 1 Mtr height..	Each	155.00

30	Providing & fixing of bracket for basin/sink with 20mm dia G.I. pipe (medium quality) including painting etc. complete :-	Each	50.00
31	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.		
a)	32mm dia Semi rigid pipe	each	77.00
b)	32 mm dia Flexible pipe	each	89.00
32	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.		
a)	40mm dia Semi rigid pipe	each	86.00
b)	40 mm dia Flexible pipe	each	89.00
32 A	Providing and fixing C.P. brass chain and rubber plug complete for sink or wash basin:		
a)	32 mm dia	each	66
b)	40 mm dia	each	66
33	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	each	738
34	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground/wall fixed to wooden cleats with C.P. brass screws and washers complete	Each	1237.00
34A	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing		180.00
	Rectangular shape 453x357 mm	Each	1016.00
	Rectangular shape 1500x450 mm	Each	1593.00
34 B	Providing & fixing 5 mm thk. Full length mirror of approved make & quality with 6mm thick asbestos, cement board backing fixed to walls including 40x20 mm teak wood frame with sprit polish, wooden plug, C.P. brass screws etc. complete.	Sqm	2001.00
35	Supplying fitting & fixing box type cabinet mirror of approved quality size 300 mm.X450mm X 100mm.	Each	610.00
36	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete .:		
i)	Black solid plastic seat with lid	Each	415.00
ii)	White solid plastic seat with lid.	Each	514.00
iii)	Coloured (other than black & white) solid plastic seat with lid	Each	444.00
37	Providing and fixing uplasticised PVC connection pipe with brass unions : 15mm. dia.		
a)	30 cm length	each	66.00
b)	45 cm length	each	75.00
38	Providing and fixing Chrome Plated (C.P.) brass 600mm long towel rail.- Jaquar (Rs. 1100/-) .	Each	1619.00
39	Supply and fixing C.P. Brass connector pipe upto 750 long.	each	150.00
40 A	C.P. brass pillar cock raised projected nose of 15mm. Dia. (Similar to Cat. No. 508 of Essco Super Delux) complete	each	841.00
40B	C.P. brass pillar cock Presmatic Type Jaquar make in Basin of 15mm. Dia.(Push Type)	Each	2396.00
41	-do- but standard 15 mm dia. Rocket type or equivalent (Similar to Cat. No. 507 of Essco) complete	each	780.00
42 A	C.P. Brass pillar cock 15 mm Dia. (Jaquar Rs.1015/-) complete..	each	1207.00
43.	C.P. bib cock or stop cock 15 mm. dia. superior quality (Similar to Cat. No. 511/513 of Essco) complete	each	690.00
a)	As above but long neck type (Similar to Cat. No. 512 of Essco) complete	each	961.00
43C	C.P Bib or Stop Cock Presmatic Type Jaquar make 15 mm dia for Urinal , Basin etc.	Each	1884.00
44	Providing and fixing C.P. brass angular stop cock for urinal of approved quality conforming to IS:8931 a) 15 mm nominal bore- Jaquar Make(Rs. 871/-)	each	1041.00
44 A	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931:15mm nominal bore	each	466.00

45	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. -15 mm nominal bore. Jaquar Make(Rs. 807/-)	each	974.00
46	Supply and fixing 15mm. Dia C.P. spreader for half stalled urinal of Essco make	each	345.00
47	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	Each	54.00
48	Supply and fixing 15mm. Dia C.P. wall flange heavy type	each	26.00
49	15mm. Dia C.P. two way Bib cock (Similar to Cat. No. 512A of Essco) complete	each	1143.00
50	Supply and fixing 15mm. Dia commode shower with chord complete set (Health faucet)	each	330.00
50 A	Providing & fixing C.P. Health faucet(spray wash) of approved quality.- Jaquar (Rs. 1360/-)	each	1623.00
51	15mm. Dia C.P. Basin mixer (central hole) (Similar to Cat. No. 516 of Essco) complete	each	2230.00
52	15 mm dia C.P. Wall mixture (Similar to Cat. No. 517B of Essco) complete	each	2750.00
53	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :15mm nominal bore	Each	381.00
53 A	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.:15 mm nominal bore	Each	627.00
53 B	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms :15mm nominal bore	Each	621.00
53 C	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931 :15mm nominal bore	Each	521.00
54	Providing and fixing PTMT (poly tetra ethylene terephthalate) bib cock of approved quality and colour		
a)	15mm nominal bore, 86 mm long, weighing not less than 88 gms	Each	96.00
b)	15 mm nominal bore, 122mm long, weighing not less than 99 gms	Each	126.00
c)	15 mm nominal bore, 165 mm long, weighing not less than 110 gms	Each	137.00
55	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :		
a)	20mm. Dia nominal bore	each	405.00
b)	25mm. Dia nominal bore	each	467.00
c)	32mm. Dia nominal bore	each	517.00
d)	40mm. Dia nominal bore	each	620.00
e)	50mm. Dia nominal bore	each	770.00
f)	65mm. Dia nominal bore	each	1307.00
g)	80mm. Dia nominal bore	each	1953.00
56	Providing and fixing gun metal non- return valve of approved quality (screwed end) :		
a)	25 mm nominal bore		
a(i)	25 mm nominal bore Horizontal	Each	444.00
a(ii)	25 mm nominal bore Vertical	Each	503.00
b)	32 mm nominal bore		
b(i)	32 mm nominal bore Horizontal	Each	594.00
b(ii)	32 mm nominal bore Vertical	Each	682.00
c)	40 mm nominal bore		
c(i)	40 mm nominal bore Horizontal	Each	715.00
c(ii)	40 mm nominal bore Vertical	Each	920.00
d)	50 mm nominal bore		
d(i)	50 mm nominal bore Horizontal	Each	1029.00
d(ii)	50 mm nominal bore Vertical	Each	1158.00
e)	65 mm nominal bore		
e(i)	65 mm nominal bore Horizontal	Each	1836.00
e(ii)	65 mm nominal bore Vertical	Each	1865.00
f)	80 mm nominal bore		
f(i)	80 mm nominal bore Horizontal	Each	2749.00
f(ii)	80 mm nominal bore Vertical	Each	3100.00
57	Supply and fixing C.P. Flange with standard numbers of holes with nuts, bolts, washers etc.		
a)	15 mm. dia. to 25 mm. dia.	each	48.00

58	Supply and fixing H.C.I./S.C.I. soil/vent pipe (BIC or equivalent) including jointing with 1:2 cement mortar, hemp fibre, fixing materials such as nails, bobbing, clamps hooks etc. complete. (fittings will be paid separately.)		
a)	100mm dia Sand cast iron S&S pipe as per IS: 1729	R.M.	893.00
b)	100mm dia: Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	R.M.	945.00
c)	100mm dia: Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	R.M.	931.00
d)	75 mm dia: Sand cast iron S&S pipe as per IS: 1729	R.M.	817.00
e)	75 mm dia: Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	R.M.	914.00
f)	75 mm dia: Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	R.M.	761.00
58 A	Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in S.C.I./ C.I. Pipes :		
a)	75 mm dia pipe	each	122.00
b)	100 mm dia pipe	each	143.00
59	Providing and fixing on wall face un plasticized Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.		
a)	75 mm diameter	R.M.	176.00
b)	110 mm diameter	R.M.	267.00
c)	Providing & fixing 160 mm dia. un plasticised Rigid PVC rain water pipes ISI approved (4Kg/Sqcm) make fix to wall including all rubber gasket, lubricants /solvent cement etc. and all specials such as bends, junction, cleaning eye, tees, off-sets etc. as directed by the Engineer-in-charge and painting etc. complete. 160 mm. dia	R.M.	890.00
60	Providing & laying UPVC heavy duty soil waste & vent pipes ISI approved (6kg/Sqcm) including all rubber gasket, lubricants/ solvent cement etc. and all specials such as bends, junction, cleaning eye, tees, off-sets etc., as directed by the Engineer-in-charge and painting etc. complete.		
a)	75 mm dia	R.M.	350
b)	110 mm. dia	R.M.	481
61	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work: exposed on wall		
a)	15 mm nominal outer dia Pipes	R.M.	224.00
b)	20 mm nominal outer dia Pipes	R.M.	285.00
c)	25 mm nominal outer dia Pipes	R.M.	358.00
d)	32 mm nominal outer dia Pipes	R.M.	439.00
e)	40 mm nominal outer dia Pipes	R.M.	591.00
f)	50 mm nominal outer dia Pipes	R.M.	813.00
61 A	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls		
a)	15 mm nominal outer dia Pipes	R.M.	387.00
b)	20 mm nominal outer dia Pipes	R.M.	450.00
c)	25 mm nominal outer dia Pipes	R.M.	549.00
d)	32 mm nominal outer dia Pipes	R.M.	625.00
61B	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work		
a)	15 mm nominal outer dia Pipes	R.M.	194.00
b)	20 mm nominal outer dia Pipes	R.M.	241.00
c)	25 mm nominal outer dia Pipes	R.M.	325.00

d)	32 mm nominal outer dia Pipes	R.M.	381.00
e)	40 mm nominal outer dia Pipes	R.M.	490.00
f)	50 mm nominal outer dia Pipes	R.M.	712.00
g)	62.50 mm nominal inner dia Pipes	R.M.	1558.00
h)	75 mm nominal inner dia Pipes	R.M.	1745.00
i)	100 mm nominal inner dia Pipes	R.M.	2465.00
62	- Ditto- but light duty, schedule – 40 UPVC pipes for waste line / spout.		
a)	40 mm nominal dia.	R.M.	255.00
b)	50 mm nominal dia.	R.M.	310.00
63	Providing and fixing C.I. bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete		
a)	100 mm dia Sand cast iron S&S as per IS -1729	each	465.00
b)	100 mm dia Sand cast iron S&S as per IS -3989	each	524.00
c)	100 Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	each	483.00
d)	75 mm dia Sand cast iron S&S as per IS -1729	each	386.00
e)	75 mm dia Sand cast iron S&S as per IS -3989	each	398.00
f)	75 Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	each	386.00
63A	Providing and fixing plain bend of required degree.		
a)	100 mm dia Sand cast iron S&S as per IS -1729	each	362.00
b)	100 mm dia Sand cast iron S&S as per IS -3989	each	386.00
c)	100 Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	each	303.00
d)	75 mm dia Sand cast iron S&S as per IS -1729	each	273.00
e)	75 mm dia Sand cast iron S&S as per IS -3989	each	261.00
f)	75 Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	each	215.00
64	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.		
a)	100x100x100 mm Sand cast iron S&S as per IS - 1729	each	589.00
b)	100x100x100 mm Sand cast iron S&S as per IS - 3989	each	641.00
c)	75x75x75 mm Sand cast iron S&S as per IS - 1729	each	503.00
d)	75x75x75 mm Sand cast iron S&S as per IS - 3989	each	503.00
64 A	Providing and fixing single equal plain junction of required degree :		
a)	100x100x100 mm Sand cast iron S&S as per IS - 1729	each	509.00
b)	100x100x100 mm Sand cast iron S&S as per IS - 3989	each	620.00
c)	100x100x100 mm Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	each	503.00
d)	75x75x75 mm Sand cast iron S&S as per IS - 1729	each	396.00
f)	75x75x75 mm Sand cast iron S&S as per IS - 3989	each	437.00
g)	75x75x75 mm Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	each	279.00
64B	Providing and fixing single unequal plain junction of required degree -100x100x75 mm		
	Sand cast iron S&S as per IS - 1729	each	649.00
	Sand cast iron S&S as per IS - 3989	each	737.00
	Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	each	474.00
65	Providing and fixing terminal guard (cowl) / socket :		
a)	100 mm. Sand cast iron S&S as per IS - 1729	each	344.00
b)	100 mm Sand cast iron S&S as per IS - 3989	each	386.00
c)	75 mm. Sand cast iron S&S as per IS - 1729	each	279.00
d)	75 mm Sand cast iron S&S as per IS - 3989	each	273.00
66	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion		
a)	75mm dia Coupler	Each	68
b)	110 mm dia Coupler	Each	103
c)	75mm dia Single pushfit Coupler	Each	68
d)	110 mm dia Single pushfit Coupler	Each	95
e)	Single tee with door- 75x75x75 mm	Each	123
f)	Single tee with door- 110x110x110 mm	Each	178
g)	Single tee without door- 75x75x75 mm	Each	107

h)	Single tee without door- 110x110x110 mm	Each	165
i)	Bend 87.5°-75 mm bend	Each	79
j)	Bend 87.5°-110 mm bend	Each	114
k)	75 mm Shoe (plain)	Each	69
l)	110 mm Shoe (Plain)	Each	100
67	Providing and fixing PVC pipe clips of approved design to PVC pipes (75 mm to 160 mm dia) by means of hard wood plugs, screwed with M.S. Screws i.e. cutting brick work and fixing in cement mortar 1:4 and making good the wall etc, complete.	each	140.00
67 A	Providing and fixing M.S. stays and clamps for sand cast iron/ centrifugally cast (spun) iron pipes etc. of diameter		
a)	50mm	each	63
b)	75 mm	each	69
	100mm	each	111
68	100 mm. C.I. floor trap, heavy quality with including bedding in cement mortar 1:6.		
a)	P Trap	each	706.00
b)	S Trap	each	975.00
69	Supplying and fixing C.I. cover without frame for manholes :		
a)	455x610 mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23 kg	each	1176.00
b)	500 mm diameter C.I. cover (medium duty) the weight of the cover to be not less than 58 kg	each	2822.00
c)	560 mm diameter C.I. cover (heavy duty) the weight of the cover to be not less than 108 kg	each	6114.00
70	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality		
a)	L D- 2.5 Rectangular shape 600x450 mm internal dimensions	each	1101.00
b)	L D- 2.5 Square shape 450 mm internal dimensions	each	919.00
c)	L D- 2.5 Circular shape 450 mm internal diameter	each	919.00
d)	M D - 10 Square shape 450 mm internal dimension	each	1102.00
e)	M D - 10 Circular shape 500 mm internal diameter	each	926.00
f)	M D - 20 Circular shape 560 mm internal diameter	each	1310.00
71	Supplying and fixing C.I. cover 300x300 mm without frame for gully trap (standard pattern) the weight of cover to be not less than 4.5 kg	each	589.00
71 A	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete : For pipes 100 to 250 mm diameter	each	599.00
71B	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	4901.00
71C	Constructing brick masonry road gully chamber 45x45x77.5 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) with precast R.C.C. vertical grating complete as per standard design : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	5487.00
72	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours.(The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.)	Sq.M.	408.00
73	Providing and laying Neat cement finishing/punishing .	Sq.M.	55.00
74	Wrought Iron door flange with nuts and bolts for soil and R.W. pipes of any size or shape.	each	69.00

75	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall		
a)	15 mm dia nominal bore	R.M.	267.00
b)	20mm dia nominal bore	R.M.	327.00
c)	25mm dia nominal bore	R.M.	431.00
d)	32mm dia nominal bore	R.M.	494.00
e)	40mm dia nominal bore	R.M.	636.00
f)	50mm dia nominal bore	R.M.	783.00
76 A	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :		
a)	15 mm dia nominal bore	R.M.	425.00
b)	20 mm dia nominal bore	R.M.	474.00
c)	25 mm dia nominal bore	R.M.	504.00
77B	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work		
a)	15 mm dia nominal bore	R.M.	235.00
b)	20mm dia nominal bore	R.M.	276.00
c)	25mm dia nominal bore	R.M.	366.00
d)	32mm dia nominal bore	R.M.	401.00
e)	40mm dia nominal bore	R.M.	490.00
f)	50mm dia nominal bore	R.M.	574.00
g)	65mm dia nominal bore	R.M.	674.00
h)	80mm dia nominal bore	R.M.	806.00
78	Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.(Cost of pipe will be paid separately)	R.M.	151.00
79A	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	each	331.00
80	Providing and fixing G.I. fittings (medium quality) of any type viz. bends, elbow, tees, reducers, sockets, jam nuts, nipples,/crosses, plug, caps union or long screw with socket and jam nut etc. of good quality, heavy type wherever necessary to be replaced and will be paid in this item.		
a)	15 mm. dia. to 25 mm. dia.	No.	55
b)	32 mm. dia. to 50 mm. dia.	No.	153
81	Polythene ball of approved quality for ball cock		
a)	15mm. dia	each	37
b)	20mm. dia	each	50
c)	25mm. dia	each	75
82	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball.		
a)	15 mm nominal bore, 105 mm long, weighing not less than 138 gms	each	142.00
b)	20 mm nominal bore, 120 mm long, weighing not less than 198 gms	each	196.00
c)	25 mm nominal bore, 152mm long, weighing not less than 440 gms 20 m nominal bore, 120mm long.	each	403.00
83	Insertion rubber sheet 3 mm. thick :		
a)	For flanges of 15 mm. to 25 mm. dia.	No.	13
b)	For flanges of 32 mm. to 50 mm. dia.	No.	19
c)	For flanges of 65 mm. to 100 mm. dia.	No.	28

84	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :		
a)	15 mm nominal bore	each	306.00
b)	20 mm nominal bore	each	348.00
c)	25 mm nominal bore	each	350.00
85	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	each	777.00
86	Providing and fixing C.I. grating, round/square, heavy type.		
a)	75 mm. dia. to 100 mm. dia.	No.	100
b)	125 mm. dia. to 150 mm. dia.	No.	125
c)	175 mm. dia. to 225 mm. dia.	No.	160
87	C.P. Grating (125 mm. dia)/ heavy duty.	No.	125.00
88	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :		
a)	100 mm. dia. S.W. pipe	R.M.	329.00
b)	150 mm. dia. S.W. pipe	R.M.	519.00
c)	200 mm. dia. S.W. pipe	R.M.	728.00
d)	250 mm dia, S.W. pipe	R.M.	1134.00
89	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design :		
a)	100 mm. dia. S.W. pipe	R.M.	373.00
b)	150 mm. dia. S.W. pipe	R.M.	605.00
c)	200 mm. dia. S.W. pipe	R.M.	711.00
d)	250 mm dia, S.W. pipe	R.M.	828.00
90 A	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design		
a)	100 mm. dia. S.W. pipe	R.M.	785.00
b)	150 mm. dia. S.W. pipe	R.M.	960.00
c)	200 mm. dia. S.W. pipe	R.M.	1119.00
d)	250 mm dia, S.W. pipe	R.M.	1294.00
91	Constructing brick masonry manhole in cement mortar 1:4 (1 cement: 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone- III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : With common burnt clay F.P.S. (non modular)bricks of class designation 7.5 Inside size 90x80 cm and 45 cm deep including C.I. coverwith frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg(weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	10247.00
92 A	Extra for depth beyond 45 cm of brick masonry chamber For 900x800 mm size with common burnt clay F.P.S. (non modular) bricks	each	7126.00
93	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 Fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design:		
a)	Inside dimensions 455x610 mm and upto 450 mm deep for pipe line with three or more inlets : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5.	each	5639.00

b)	Inside dimensions 500x700 mm and upto 450 mm deep for pipe line with one or two inlets : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5.	each	6408.00
c)	Inside dimensions 600x850 mm and upto 450 mm deep for pipe line with one or two inlets : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5.	each	7552.00
94 a(i)	Extra for depth beyond 45 cm of brick masonry chambe For455x610 mm size with common burnt clay F.P.S. (non modular) bricks	each	4946.00
95 a(ii)	Extra for depth beyond 45 cm of brick masonry chambe For 500x700 mm size with common burnt clay F.P.S. (non modular) bricks	each	5399.00
96 a(iii)	Extra for depth beyond 45 cm of brick masonry chamber For 600x850 mm size with common burnt clay F.P.S. (non modular) bricks	each	6293.00
96(B)	Providing and fixing S.W. intercepting trap in manholes with stiff mixture of cement mortar 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete		
i	100 mm dia	each	332.00
ii	150 mm dia	each	450.00
97	Supplying and fixing G.I. U clamp made from 25 mm. X 3 mm. flat, bent to shape fixing with Couch screws including grouting the same into wall :		
a)	15 mm. dia. to 25 mm. dia.	No.	19
b)	32 mm. dia. to 50 mm. dia.	No.	23
c)	65 mm. dia. to 100 mm. dia.	No.	31
d)	125 mm. dia. to 150 mm. dia.	No.	34
98	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:		
a)	100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	2151.00
b)	150 x 100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	2170.00
99	Dismantling all plumbing connection plugging inter connections, lowering the tank and carting it to the store of LICl.		
a)	Gr. floor & 1st floor.	Each	500.00
b)	Per floor lift charges.	Each	50.00
100A	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	per litre	9.00
101 A	Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to ISI : 12701, colour of opaque white or as approved by Engineer-in-charge. The rate includes making necessary holes for inlet, outlet & over flow pipes. The base support i/c fittings & fixtures for tank shall be paid separately	per litre	9.00
102 A	Providing and laying Lime concrete (1:1 :6) with lime surkhi & jhama khoa for jamming W.C. pan, consolidating, leveling etc. completing.	Cu.M.	4800.00
102 B	Brick Bat coba filling - Over burnt (Jhama) brick aggregate 90 mm to 45 mm		913.00
103	Providing and laying water proofing treatment to vertical and horizontal surfaces of <u>depressed portions of W.C., kitchen and the like consisting of:</u> (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off <u>junction of vertical and horizontal surface.</u> (ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off <u>junction of vertical and horizontal surface.</u> (iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of <u>area.</u> (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm). sqm 705.70	Sq.M.	619.00
104	Professional Charges for obtaining necessary permission from Local Municipal Corporation for repairing, cleaning, replacing existing sewer pipe lines including necessary follow up with Municipal Corporation.	1 Item	2575.00

105	Charges for cutting of metallic road/pavement of any thickness including cutting trances in any kind of soil expect ANY TYPE OF ROCKS upto 1.5 meters depth & width 0.75 meters, refilling the same in layers and ramming, after the work is over as per directions.	Sq.M.	220.00
106	Transportation charges for carting away the waster debris/excavated earth etc. beyond 50 meters lead and outside the LIC premises etc. complete. (one unit = 5 Cu.M. or part of it). For 2 KM @119.54/ Cum	One unit	598.00
107	For attending various miscellaneous repairs and maintenance job of sanitary and water supply nature etc. charges of following are to be paid as under :		
a)	Unskilled cooli / majdoor etc.	Day	595.00
b)	Plumber / mason	Day	788.00
108	Arrangement of scaffolding / staging with working platform etc if required for any type of repairing work including cost of all materials and labour made with 100mm dia bamboos/ salballah etc and removing away the same from the work site to Contractor's own dump after completion of work.	Sq.M.	54.00
109 A	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge.	Sq.M.	226.00
	Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose. (2) The payment will be made once only for execution of all items for such works.		
	NB : The item will only be operated for replacement of GI/C.I/PVC pipes and uprooting of trees on external façade of building beyond 8 Mtr height.		
	PTMT (poly tetramethylene terephthalate) fittings :		
110	Providing and fixing PTMT (poly tetramethylene terephthalate) bib cock of approved quality and colour		
a)	15mm nominal bore, 86 mm long, weighing not less than 88 gms	Each	96.00
b)	15 mm nominal bore, 122mm long, weighing not less than 99 gms	Each	126.00
c)	15 mm nominal bore, 165 mm long, weighing not less than 110 gms	Each	137.00
d)	15 mm nominal bore, 90 mm long, weighing not less than 93 gms	Each	149.00
111	18.55 Providing and fixing PTMT stop cock of approved quality and colour.		
a)	15 mm nominal bore, 86 mm long, weighing not less than 88 gms	Each	90.00
b)	20 mm nominal bore, 89 mm long, weighing not less than 88 gms	Each	100.00
c)	Concealed stop cock, 15 mm nominal bore, 108 mm long, weighing not less than 108 gms	Each	161.00
112	Providing and fixing PTMT pillar cock of approved quality and colour.		
a)	15 mm nominal bore, 107 mm long, weighing not less than 110 gms	Each	159.00
b)	15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	Each	170.00
113	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.		
a)	450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms	Each	503.00
b)	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms	Each	526.00
	FITTING AND FIXING ITEMS :		
	Fixing charges for following items :		
114	Lavatory basin/urinal of any size and shape with all fittings, as required.	Each	60.00
115	Sink of any size and type or shape with all fittings as required.	Each	60.00
116	Towel rail of any dimension.	Each	15.00

117	C.I./PVC flushing cistern of any type/size and shape, pull and let go, low down or automatic.	Each	60.00
118	C.P brass or G.I. or polythine, bib cock, stop cock or pillar cock.	Each	30.00
119	H.C.I. pipe or C.I. Rain water pipe with all types of fittings including opening out and refixing with jointing compound.		
a)	50mm. to 100mm. dia.	R.M.	25.00
b)	125mm. to 150mm. dia.	R.M.	35.00
120	Providing and fixing G.I. pipe of any type of with all type of G.I. fittings viz; Union, Tees, Elbows, Sockets, Nipples, Clamps, Jam Nuts, Reducers, bends, plugs etc.		
a)	15mm. to 25mm. dia.	R.M.	13.00
b)	32mm. to 50mm. dia.	R.M.	18.00
c)	65mm. to 100mm. dia.	R.M.	30.00
121	Fitting and fixing water cooler with filter etc. and making all required inlet and outlet connection including shifting the cooler from any position of the building.	No.	120.00
122	Prime Cost item for providing of Premium quality fittings and fixtures as per direction / GM ferrule, stop cock etc as per requirement and with prior approval of competent authority. The original purchase voucher / cash memo has to be produced for reimbursement.	As per Bill	0.00
123	Fitting and fixing of the Premium quality fittings/ GM ferrule, stop cock etc as per requirement including all fixing materials such as screws, nails, adhesive etc, all labour charges and profit and overhead expenses.	25% on Bill amount	0.00
124	Repairing flushing cistern including repairing ball cock with ball displacer, liver, bridge piece, valves, handles, washers, syphon, chain pull, valve fittings, overflow, etc. including supplying necessary parts, if any and adjusting the same.		
a)	Pull and let go cistern of any type and size.	No.	48.00
b)	Low level C.I. or porcelain/P.V.C Cistern.	No.	72.00
c)	Repairing and adjusting any type and size of cistern.	No.	25.00
125	Repairing Brass cocks and valves of any type and quality for the following dia :		180.00
a)	15mm. to 25mm. dia.	No.	30
b)	32mm. to 50mm. dia.	No.	42
c)	65mm. to 100mm. dia.	No.	60
126	Repairing C.P. Brass cocks of any type and quality including replacement of spindle, 15mm. to 25mm. dia.	No.	125.00
127	Petty masonry repairs to manhole, inspection pits including providing, if required with bedding materials.	No.	180.00
128	Repairing & replacing washers for cocks and valves 15mm. dia to 25mm. dia.	No.	20.00
129	Repairing leaks of any type of waste pipe by applying putty joints etc. complete.	No.	15.00
130	Repairing Bottle trap. 25mm. to 40mm. dia.	No.	25.00
131	Repairing C.I. Sluice Valve :-		
a)	15mm. to 25mm. dia.	No.	42.00
b)	32mm. to 50mm. dia.	No.	94.00
c)	65mm. to 100mm. dia.	No.	145.00
CLEANING ITEMS :			
132	Cleaning soil waste vent pipe or rain water pipe lines with all types of fittings including opening and refixing the same to restore normal condition :-		
a)	up to to 65mm. dia.	R.M.	10.00
b)	75mm. to 100mm. dia.	R.M.	12.00
c)	125mm. to 150mm. dia.	R.M.	13.00
133	Cleaning G.I. pipe lines with all types of fittings including opening and re-fixing the same to restore normal condition :-		
a)	15mm. to 25mm. dia.	R.M.	8.00
b)	32mm. to 50mm. dia.	R.M.	10.00
134	Cleaning S.W. pipe lines including manholes inspection pits, yard gully :-		
a)	100mm. to 150mm. dia.	R.M.	15.00
b)	200mm. to 250mm. dia.	R.M.	20.00

135	Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)		
a)	Capacity up to 2000 litres.	Litre	0.35
b)	2001 litres to 5000 litres	Litre	0.35
c)	5001 litres to 10000 litres.	Litre	0.30
d)	For every 1000 litres or part thereof it, over 10000 litres.	Litre	0.20
136	Cleaning and polishing sanitary wares by acid or cleaning powder as required.	Each	25.00
137	Cleaning septic tank including taking out scum, water and sludge and removing the same to contractor's own dump outside the building compound as per direction including paying necessary charges to the local Municipal authorities for providing tankers, cartage etc. for which LIC have no objection.		
a)	Upto 10000 litres volume of the septic tank	No.	2675
b)	From 10001 litres to 25000 litres septic tank	No.	2475
c)	From 25001 litres to 50000 litres septic tank	No.	5340
138	Filling the tiles & joints in floor and dado with white cement including racking out the weakened joints, cleaning the same etc. complete..	Sq.M.	43.00
139	Cleaning surface drain of any sectional dimension and removing filled up materials to outside the building.	R.M.	9.00
140	Cleaning soak pit, pulling out soil water, taking out old brick bats, washing, drying and replacing the bats again into the pit including making good deficiencies with new brick bats, restoring the original surface condition of the soak pit complete irrespective of any size of capacity.	No.	1220.00
PAINTING ITEMS :			
141	Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work :		
a)	15 mm diameter pipe	R.M.	14.00
b)	20 mm diameter pipe	R.M.	17.00
c)	25 mm diameter pipe	R.M.	22.00
d)	32 mm diameter pipe	R.M.	27.00
e)	40 mm diameter pipe	R.M.	32.00
f)	50 mm diameter pipe	R.M.	38.00
142	Repainting G.I. pipes and fittings with synthetic enamel white paint with one coat of approved quality :		
a)	15 mm diameter pipe	R.M.	7
b)	20 mm diameter pipe	R.M.	8
c)	25 mm diameter pipe	R.M.	10
d)	32 mm diameter pipe	R.M.	12
e)	40 mm diameter pipe	R.M.	14
f)	50 mm diameter pipe	R.M.	16
143	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality :		
a)	15 mm diameter pipe	R.M.	9.00
b)	20 mm diameter pipe	R.M.	11.00
c)	25 mm diameter pipe	R.M.	13.00
d)	32 mm diameter pipe	R.M.	16.00
e)	40 mm diameter pipe	R.M.	18.00
f)	50 mm diameter pipe	R.M.	22.00
g)	65 mm diameter pipe	R.M.	27.00
h)	80 mm diameter pipe	R.M.	32.00
144	Painting (two or more coats) on rain water, soil waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture, over and including a priming of ready mixed zinc chromate yellow primer on new work:		

a)	100 mm diameter pipes	R.M.	55.00
b)	150 mm diameter pipes	R.M.	83.00
145	Painting (two or more coats) on rain water, soil waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour over a priming coat of approved steel primer on new work.		
	100 mm diameter pipes	R.M.	60.00
	150 mm diameter pipes	R.M.	90.00
146	Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture over and including a priming coat of ready mixed zinc chromate yellow primer on new work :75 mm diameter pipes	R.M.	38.00
147	Painting (one or more coats) on rain water, soil waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture on old work :		
a)	75 mm diameter pipes	R.M.	18
b)	100 mm diameter pipes	R.M.	24
c)	150 mm diameter pipes	R.M.	34
148	Painting (one or more coats) on rain water, soil waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour on old work :		
a)	75 mm diameter pipes	R.M.	19
b)	100 mm diameter pipes	R.M.	25
c)	150 mm diameter pipes	R.M.	35
149	Painting G.I/M.S tank supporting RSJ with 2 coats of synthetic enamel paint over a coat of primer after scrapping and preparing the surface :-	Sq.M.	50.00
	MISCELLANEOUS ITEMS :		
150	Supervision & plumbers charges for cleaning the ferrule/PMC drainage connection.	Each	1200.00
151	Cleaning the vegetation in the form of trees, saplings etc at any height above ground level all among the outside periphery of the external wall / chajja / junction of rain/ soil pipes/ building joints/ expansion joints/ parapet etc including removal of roots, rubbish and applying acid, sealing the same with bitumen 95/15 grade, 85/25 grade and mending good with cement concrete/ cement plaster to match with the surrounding including scaffolding up tp 8.00 mtrs. wherever required.	No.	61.00
	REPAIRS WORKS :		
152	Supplying, fitting & fixing internal parts of low level P.V.C. Cistern :		
a)	Syphon of Reliance make	Each	292
b)	15mm dia ball cock	Each	198
c)	Cistern handle	Each	113
153	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per direction of Engineer-in-Charge.		
	For door/ window/ clerestory window	Sqm	818.00
154	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in- charge.	Each	279.00
155	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	Each	193.00
156	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in-Charge.	Each	84.00
157	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, including cutting the patch in proper shape, rakingout joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-In-Charge	Sqm	449.00
158	Cleaning and desilting of gully trap chamber, including removal of rubbish mixed with earth etc. and disposal of same, all as per the direction of Engineer-in-charge	Each	68.00

159	Cleaning of choked sewer line by diesel running vehicle mounting hydraulic operated high pressure suction cum jetting sewer cleaning machine fitted with pump having 4000 litres suction capacity and 6000 litres water jetting tank capacity including skilled operator, supervising engineer etc. for cleaning and partial desilting of manholes and dechocking of sewer lines. Dechocking and flushing of sewer line from one manhole to another by high pressure jetting system of 2200 PSI for sewer line from 150mm dia upto 300mm	R.M.	225.00
160	Cleaning of underground sump, Over Head R.C.C. Tank (independent staging) including disposal of slit and rubbish, all as per direction of Engineer-in-Charge. The cleaning shall consist following operations:- (i) Tank shall be emptied of water by pumping & bottom shall be cleaned of silt and other deposits. (ii) Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water. (iii) Chlorination of RCC internal surface by liquid chlorine. (iv) The treated surface shall be dried using air jetting and all loose particles shall be removal from the surface. (v) Finally the surface shall be treated with ultraviolet radiation etc.as per direction of Engineer-in-Charge.	Sqm	56.00
161	Hacking of CC flooring including cleaning for surface etc. complete as per direction of the Engineer-in-Charge.	Sqm	2.00
162	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes (within 50 metres lead) as per direction of Engineer-in-Charge. (a) Internal Work- Exposed on wall	R.M.	2.00
163	Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	Each	261.00